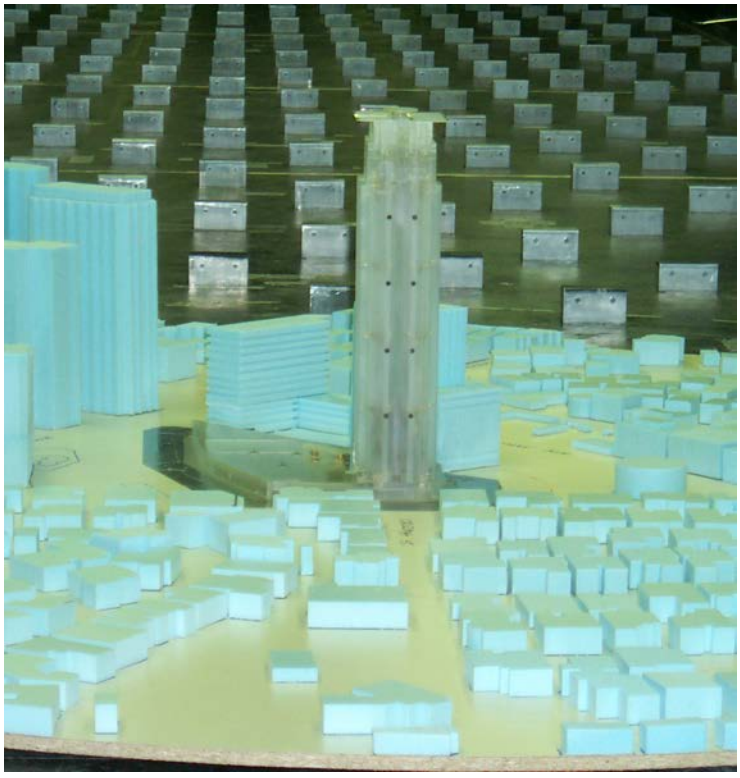
One Roxas Triangle, Makati City, Philippines

Wind Engineering Study



Client	Engineers	Architect
Ayala Land, Inc.	Skilling Ward Magnusson Barkshire Inc.	Skidmore Owings & Merrill LLP
Height	**Year Studied**	**Model Scale**
174 m	1996, 2001	1:400

The Project

The 51 storey condominium tower located on the Paseo the Roxas Makati City, Manilia, Philippines. The original study examined two towers on the site. There are still plans to develop the second tower in the future.

The Wind Tunnel Studies

The wind engineering studies for the tower included a local cladding pressure study, overall structural loads and responses and pedestrian level winds.

The study of overall structural loads and responses for the tower were determined using the loads from pressures technique.

The study of wind-induced cladding pressures was carried out for 443 measurement locations distributed over the tower and associated low-rise.

A pedestrian level wind study examined 15 locations in and around the site.

The Boundary Layer Wind Tunnel Laboratory

Western

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